

Aviation Helped Development of North Country

Col. Bovey Shows Pictures Of Trip at Mechanics' Institute

VISITED NORANDA

Planes Carry Passengers, Freight, Mail, to Rouyn Mining District

"Canadian aviation has advanced much in the last few years, and the main value of this advance has been the development of the North. Many of the Northern airports of Canada are as busy as any in the world, and some of the flights made by aviators in the North would, in other parts of the world, be regarded as phenomenal," said Col. Wilfred Bovey, in his speech on "To the North Country by Air," last night at the Mechanics Institute.

Col. Bovey said that when Jacques Cartier came to Canada, he was told by Indians of a very rich country to the far North. He was told tales of strange peoples, wonderful lakes, and an abundance of gold and copper. Although the tales which have come down to us have been somewhat exaggerated, they are, nevertheless, basically true. The country about the Saguenay River and Lake St. John is rich in mineral resources, forest wealth, and water-power.

Country Fertile

Since the coming of the airplane, the country has been opened to settlers. Before this, only trappers, hunters, and prospectors came to that part of the province. Now the sides of the lakes and rivers are lined with the farms of thriving habitants. The towns are prosperous, and, considering the fact that they have grown up within the last few years, have large populations.

Col. Bovey showed slides and moving pictures of a trip from Lake St. John to the Rouyn district. He showed the place where the two aviators, Cannon and Lizotte, were lost recently near Lake Chibougamau. He also showed pictures of the "great forests of the North, and stated that Canada had about 120 million square miles of forest, of which over 100 million square miles still belong to the Government, and are not being used.

Expansion of Rouyn

The now famous district of the Rouyn has developed within the last years, and its development has been greatly aided by the airplane. They carry the prospectors, freight, and (Continued on Page Four)

Brown Announces Many Fellowships

Twelve Scholarships Available in All Department

Announcement has just been made of numerous graduate appointments for 1931-32 at Brown University. The awards cover almost every field of study and are open to graduates of any college.

Thirty-one fellowships of amounts ranging from \$1,000 to \$500 each are open in the Departments of Biology, Chemistry, Economics, English, History, Mathematics, Physics, and Romance Languages, but are occasionally available in Philosophy and Psychology. Graduates of any college may apply.

There are twelve scholarships covering tuition which are available in any department and it has been announced that in awarding them preference will be given to those applying from institutions other than Brown.

For those wishing to apply for assistantships, it is announced that there are forty vacancies covering almost all departments. Each pays approximately six or seven hundred dollars and tuition.

Ordinary fellowships will only be awarded to those who have completed a year or more of graduate study. Scholarships are open to those just entering on graduate work. Applications will be received up to March 1st, and the awards will be made on or about March 15th.

Graduates to Hold Smoker

A meeting to decide the date and other details of the coming Graduate's Smoker will be held on the afternoon of Tuesday, January 13th. Representatives from the Graduates' Society and the Students' Council have been chosen and it is rumored that the date may be set for January 25th.

Cunard Man To Illustrate Talk On Scotch City

"GLASGOW of Today" is the subject of Herbert H. Black's lecture which will take place on Tue. Jan. 13th, at 8.15 p.m. in the Lecture Hall of the Chemistry Building. This lecture is sponsored by the City Improvement League.

Mr. Black is Official Moving Picture Photographer for the Cunard and Anchor-Donaldson Lines, Canadian Service. His lecture will be illustrated with lantern slides and moving pictures, and all aspects, civic and industrial, of Scotland's commercial metropolis will be shown.

This lecture will be repeated on the following night at the same time in the Victoria Hall, Westmount. For the convenience of those unfamiliar with the McGill grounds, a white electric outline "Star" will be erected over the entrance of the Chemistry Building. Admission is free.

World's Foibles Wittily Slashed

Former Players' Club Members Have Prominent Parts

THRILLS AUDIENCE

Montreal Repertory Theatre Presents Story of Robots For Second Time

A smooth and clockwork production marked the second performance of "R.U.R.", last evening by the Montreal Repertory Theatre. An appreciative audience set alternately excited and amused by the cleverness of Karel Capek excited by the frequent moments of dramatic suspense and amused by the satire which spared neither man nor god.

Interesting sets provided with futuristic furniture were the locale for stabbings, shootings and "lights out," which would have palled on the ordinary theatre-goer without the additional attraction of the epigrammatical and witty lines of the playwright. The play is to be recommended, and is particularly valuable for the provocative nature of his criticisms. Local dinner tables should find it a mine of material for impersonal conversations.

But for the tired business man or the student stale from cramming for mid-terms, this production makes Capek even more palatable. Every minute of it is attended with interest of some sort, and the audience begrudged the few minutes of intermission and the early curtain. For the production moves very quickly and the scene shifting was done with professional despatch.

Members of the McGill Players' Club played prominent parts. Sid Pierce, who had a leading role in the former's production of "The Insect Play," ably depicted the General Manager of the company which produces Rossum's Universal Robots. He seems to bring to his part peculiar appreciation of Capek's satire and characterisation. Rita Macdonald presented the only female machine, stenographer robotess. Cecil West, a former producer for the Players' Club, was responsible for the attractive settings.

Graduate Elected To Head of Firm

A graduate of McGill and a prominent man in the business world, Mr. Earle Spafford, Vice-President and Director, in charge of sales of The Tuckett Tobacco Company Ltd., has been elected Director and Sales Manager of The Imperial Tobacco Company of Canada, Limited, with headquarters in Montreal.

Mr. Spafford has had many years experience in his former position, and is well-known to the trade throughout the Dominion. It is realized by both Companies that the long experience that Mr. Spafford has had in his former position will be of valuable assistance to them in the duties they are now taking over.

Mr. Earle Spafford was born at Lennoxville, Quebec, and educated at Bishops College and McGill University.

Upon his return from Overseas in April 1919, he accepted the position of Vice President and Manager of The Tobacco Product Corporation of Canada with The Tuckett Tobacco Company Limited. Mr. Spafford moved to Hamilton as Vice President and Director of Sales, and was later elected a director of the company.

Trace Formation Of Great Lakes During Ice Ages

Dr. H. J. Clark Addresses Overseas League on Glacial Era

FORMERLY PLAINS

Large Inland Waters Are Temporary And Will Ultimately Vanish

In his prefatory last night Dr. H. J. Clark of McGill University stressed the fact that the Geological history of the Great Lakes Region goes back for millions of years, whereas the Human history of these lakes only really covers some few hundreds of years.

Speaking before the Overseas League, Dr. Clark stated that in geological history there are two main concepts which must be taken into consideration. In the first place, Time, Geological history has been traced for over a billion years. Secondly, there is Evolution or Change, which is the past-world of Geology. Discussing these concepts more especially in their bearings on the Great Lakes, the speaker said that they have existed for about a million years, but that they have gone through their greatest development in the last thirty thousand years. As regards Change, the Lake region has been chiefly under the influence of glacial and glacial action. The climate of this region has also undergone successive changes.

Jokes on Rivers

Geologists regard lakes with suspicion, as they are jokes played on rivers. The Great Lakes are the results of the last Glacial Advance. The ice reached a higher part of the land and stopped; the water melting from the huge glaciers accumulated and gradually in thousands of years the Great Lakes took their forms, passing through various stages as the ice wall gradually receded.

Previous to the ice advance, the region now covered by the component elements of the Great Lakes was a vast plain, heavily-wooded, with a warmer climate than we now enjoy, inhabited by the many animals such as bison, a few mastodons, and the long-extinct American horse. Through this land flowed a great river known to geologists as the Laurentian and (Continued on Page Two)

Mid-Term Exams To Begin Monday

All Faculties Will Hold Mid-Sessionals in Coming Week

Mid-term examinations will break upon the heads of many McGill students in the coming week. All Faculties are holding these finals, which are held in greater dread by many than the Finals in May, owing to the fact that with the football season and other autumnal activities many do most of their heavy studying from Christmas on, and are inclined to hope for a little luck in their half-courses. Monday and the three following days are the zero moments, when those who have studied will rejoice in their learning, while those who have not will call upon their various divinities for assistance of some sort.

The actual dates and places for the various examinations appear elsewhere in these columns, and the different faculties have posted notices on the subject in their respective buildings.

Information regarding the Supplementals has already appeared; in the Faculty of Arts and Sciences, they will take place, for Conditional students of the Second, Third and Fourth years, on February sixth and seventh. All those participating must notify the Dean in writing before January the seventeenth.

Retain Lomer On Committee

It has been announced that Dr. G. R. Lomer, the librarian has just been re-appointed a member of the Committees of Code of Ethics and Bibliography of the American Library Association. The notice was given in the Handbook of the Association just issued.

The Association sponsors about sixty such Committees, which are formed to advise and assist librarians, library trustees, and others interested in library work. Among the sub-

English Writer Will Come To Forum Sunday

AT a regular meeting of the People's Forum on Sunday evening, January 11, Mr. H. N. Brailsford will address the gathering on "England Faces The Future: A Study of Economics Problems." Mr. Brailsford is an accomplished journalist, and has travelled extensively all over Europe and Asia. He is coming to Montreal directly from India and Palestine, where he has been for some time.

He has written several books on the problems of world peace, showing himself to be a constructive thinker on that subject, and his "Olive of Endless Age" is an argument for the necessity of international government.

As Mr. Brailsford has to leave town the same night, the meeting is to begin fifteen minutes earlier than usual, at 7.15 P.M.

Famed Danseuse To Appear Here

Angna Enters America's Greatest Dance Mime

WORKS ORIGINAL

Compositions Cover Many Walks of Past And Present Life

"A dancer who does not dance, a dancer who does not speak; a dramatist who makes the audience supply the drama" is the appellation given to Angna Enters, the talented artist who is to appear in the Moyse Hall on Thursday, January 22nd at 8:30 p.m. under the direction of "The Actor Managers".

Gives Series of Sketches

Hailed as the greatest dance-mime of present day America, Miss Enters comes to Montreal presenting her "Episodes and Compositions in Dance Form". In these she incorporates thirteen sketches of which the following are typical: "Feline", Antique a la Francaise (very Directoire), Cake-Walk—(1897), Aphrodisiac—Green Hour, and as a final, Contre Danse No 2—Invention. She, in her "Compositions", seeks to grasp a certain motive or mood, portray it with exceptional suggestiveness and unity of design, and this without either enslaving or distorting the music. Says the "New Yorker", "Entertainment is her business and she knows her business."

Internationally Known

In June 1930 Enters was presented by Charles B. Cochrane and Maurice Browne for a three weeks engagement at the Queen's theatre, London as part of their International Season, in which she represented the cultural American theatre. Everywhere in America she has received the same enthusiastic welcome and the same discriminating praise. Angna Enters is one of the most gifted and imaginative dancers that the American public has seen in (Continued on Page Four)

Students Welcomed Back by Cold Spell

Milder Weather Expected by Observatory Authorities

According to McGill students who struggled across the campus to nine o'clock lectures yesterday, the weather was cold. Blood-red noses, frozen foreheads, ears, hands, and feet, testified to the fact that Jack Frost was doing his worst and that Florida was only a name.

Last Wednesday was the brightest day for more than a month, having sixty-seven per cent. sunshine as against seventy-eight per cent. registered on December fourth, the brightest day previously. Clear weather is expected to continue.

After striking the low mark the mercury rose slowly throughout the morning and further relief was expected last night and to-day when higher temperatures were looked forward to by McGill Observatory Officials.

ects studied and investigated are that of providing books for 48,000,000 people in the United States and Canada who possess no public library service, and the question of procuring books for libraries for the blind. The Committees also deal with the problem of providing reading material for the foreign born, for inmates of hospitals, and for those in penal institutions.

Fungi Found to Have Structure Of Complex Kind

Prof. Buller Describes Functions of Parts of Organism

BISEXUALITY NOTED

Millions of Spores Shed by Common Mushroom Every Day

Prof. Buller, of the University of Manitoba, and probably the world's first authority on the life and growth of the various fungi, presented in a popular lecture last night most of the fundamental facts about fungus life in general, with more or less detailed descriptions of a number of species in particular. The lecture was held in the Biological Building under the auspices of the Sigma Xi.

The common mushroom, which consists, to all appearances, of a stalk and a cap of some shape with gills on the underside, seems simple enough. This structure, however, is only the surface part of the organism; a far more extensive system of strands, known as the mycelium, extends for distances sometimes as great as sixty yards under the ground. This corresponds to the root of the ordinary plant, and feeds on any dead organic matter which may be present in the soil.

Function of Cap

The function of the surface part is reproductive in nature, the cap serving as a producer, container and disseminator of the spores, which correspond roughly to the seeds of the average plant, except that they are almost always enormously greater in number. The gills in the underside of the cap are in the form of flat plates hanging vertically downwards; on their surfaces are the spores and mechanism which discharges them into the air. The spores are shot out from the wall of the plate with high velocity, but due to their extreme lightness, they travel only about one-tenth of a millimetre before they commence to fall vertically down, out of the cap and into the air, where the wind catches them and spreads them over great distances.

Size of Spore Measured

By letting a piece of a cap stand over a sheet of paper in a place free from drafts, a deposit of spores will be formed showing the relative thickness of the gill plates and the spaces (Continued on Page Two)

Montreal to Build Civic Concert Hall

Long Agitation Culminates in National Conservatory

Agitation for a civic concert hall which has been going on for some time gained its object. A National Conservatory of Music is to be erected on St. Denis Street, to include in one building a concert hall and a headquarters for the study and teaching of music in this part of Canada. The need for the long-awaited hall became acutely apparent with the formation of the Montreal symphony Orchestra under the direction of Dean Clarke of the Faculty of Music.

The National Conservatory of Music will be one of the largest of its kind and the splendor and the decoration of the building will rank amongst the finest in America, declared Dr. Eugene Lapierre, director of the Conservatoire, yesterday afternoon.

"Only the snow and unfavorable cold weather keeps up from starting excavations at once," he continued. "The plans are ready and all necessary support to the success of such an important enterprise has been enlisted. The board of directors of the conservatory is already in touch with Casavant Freres, organ manufacturers of St. Hyacinthe, P.Q., to provide the new concert hall with an organ of 100 stops. This elaborate musical instrument will have 300 pipes more than the magnificent one built for the Royal York Hotel, Toronto."

Former Professor Dead

Prof. Maxime Ingres, a former professor in the department of French, died yesterday in Paris following a heart attack. He taught at the university some 30 years ago and those who remember Professor Ingres believe him to have been about 70 years of age at the time of his death.

He was known in Montreal as a great French patriot, advocating revenge on Germany following the war of 1870, and as a fence of note.

Fashion University Opens Registration In French Capital

FASHION has crashed the gates of academic learning; and not on this continent as might be supposed, but in Paris which succumbed even with the tradition of the Sorbonne behind it. The first University of Fashion has been opened in Paris.

Forty students are now engaged in the study of hems, gussets, reverses, biases and selvege edges and will be engrossed in investigation for two weeks when, presumably, they will become Bachelors of something. Instruction is in the hands of Mme. Renee Jean and M. Gerber.

The new school offers a practical course in the history of costume design since medieval times. Line and color-harmony lectures will be given by leading couturiers, painters, sculptors and artists.

Graduates Enlarge Employment Bureau

Ask Co-operation of University Staff

SERVICE FREE

Placement Office Has Operated to Advantage for Several Years

A recent decision of the graduates' Society has led to an increase in the function and scope of the employment bureau which has been operated by that body for several years with advantage to the graduates, employers and members of the University staff. Already this step has brought additional enquiries from business people desiring to secure the services of McGill men in their enterprises and several who will graduate in May have secured positions through this agency.

A general announcement from Mr. G. B. Glasco of the Graduates' Society reads in part as follows:—

"The Graduates' Society has decided to enlarge its employment bureau. The bureau has been operated for several years past with considerable advantage to our graduates and to certain employers who have made use of it.

Services Free

"We intend to continue to operate the employment bureau with no cost for our services to our graduates or to the employers.

"Our first endeavour is to secure your co-operation and that of the University staff in general, so that we may be of greater service to you, to our graduates and to prospective employers, and we shall appreciate your advising the secretary of the Employment Bureau, Miss A. D. Donnellan, of any enquiries which may come your way, whether from employers or from Graduates seeking employment."

Child Study Subject Of Address at "Y"

"The Social Development of the Child" will be the second series of lectures in Child Study by Dr. C. D. Dawson, Dr. E. M. Best, and Dr. E. C. Hughes.

These lectures, promised to be the best of their kind, are to take place in the Westmount Y.M.C.A. every Tuesday afternoon at 4:30 p.m. commencing January 13, 1931.

The following is a list of the lectures:—

1. Family situations in child development.
2. The child and its neighborhood.
3. The role of play in child development.
4. The children in the market place.
5. The School adjustments of the child.
6. The child's religious life.
7. Boys' and girls' organizations.
8. The delinquent child.
9. The foster home.
10. The child in need of special institutional care.

The sum total for these lectures is five dollars. Inquiries relating to the above lectures are to be addressed to the Secretary, Department of Extramural Relations, McGill University.

WHAT'S ON

Today

5:05—Physical Society.
Saturday
LAST DAY OF LECTURES.

To Give Twenty Lectures in New Telephony Course

Professor G. A. Wallace to Speak on Transmission

BEGINS SHORTLY

Aims to Make Technical Literature Readable to Students

In answer to many requests the Department of Electrical Engineering is offering an extension course of twenty lectures on the subject "Principles of Transmission in Telephony." These will commence on Monday, January 26th, at 5:30 p.m. and will continue probably on Mondays and Thursdays. The times may be changed to suit the convenience of those wishing to take the course. The lecturer will be Professor G. A. Wallace. The fee for the course will be \$15, which may be paid at the first or second lecture.

The telephone is one of the most interesting as well as one of the most serviceable of modern devices. In its way, it intrigues or commands the attention of practically everyone who is even remotely attached to civilization. Its power is universal and the close connection between individuals as well as groups which it brings about is known all over the world. Thus telephony is a subject to fascinate all electrically-minded people.

Course Requested

This course is being offered at the request of certain recent university graduates in engineering, who are at present in the Northern Electric and Bell Telephone Companies, and who are interested in the technical side of telephony; and it has been designed especially for their requirements. It is the purpose of the course to take the student far enough in electrical transmission theory to enable him to calculate transmission losses in telephone circuits and to enable him to read current technical literature in the field of telephony with more than superficial understanding.

First Ten Lectures Listed

The syllabus is as follows:—
1. General Steady State Solution of an alternating current transmission line terminated in any impedance.
2. Special cases of lines terminated in (a) characteristic impedance, (b) infinite impedance, (c), zero impedance.
3. Evaluation of numerical solutions when the hyperbolic series converge rapidly as with power lines and when (Continued on Page Four)

Famous Scientist Mourns Daughter

Eileen Fowler, Rutherford's Only Child, Dies Suddenly

A little while after her father had been raised to the peerage, Mrs. Eileen Fowler, daughter of Lord Rutherford, died suddenly ten days after the birth of her fourth child. She was married to Professor R. H. Fowler, Fellow of Trinity College, Cambridge, a well-known mathematical physicist.

Lord Rutherford was acclaimed by the world for his work on radio-activity, and was signally honored by the King in the New Year Honour List. He was formerly MacDonald Research Professor in the Department of Physics at McGill. He was the first man on this continent to carry out an X-ray experiment, did much pioneer work in wireless, and experimented on the conduction of electricity through gases.

Among the honors he has received are the Rumford Medal, the Barnard Medal, the Nobel Prize for Chemistry and other medals and prizes. He has written many books on the subject of Radio-activity, as well as having contributed to many periodicals and scientific publications.

Mrs. Fowler's untimely death, which was entirely unexpected, came as a shock to the many friends of the family, especially since it followed so closely on the honor which had been paid to her father.

C.O.T.C. Bowling League

C.O.T.C. parades were resumed for the new year on Wednesday last. The infantry had mutual instruction in rifle and bayonet drill, while the cavalry engaged in rifle and troop drill. A bowling league has been organized and competitions will start after the mid-terms, owing to the coming exams there is to be no parade next Wednesday January 14, 1931.

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IN CHARGE OF THIS ISSUE

News Sports
R. A. Saunders D. V. Hamilton

Kaye Donoghue, Bob Douglas, Con Harrington,
Lackman, Fred Poland.

Montreal, Friday, January 9, 1931.

A Full House

Again last night the Montreal Repertory Theatre presented a splendid play to a half-filled house. The staging and lighting and acting are well above the usual local standard for amateur dramatics. The piece itself is immeasurably better than the usual half-hearted stuff attempted by other groups. And yet the house was only half full.

The answer is not far to seek. Admission was \$2.50 to outsiders, with a substantial student reduction; and since the Repertory Theatre caters to outsiders it is not surprising that half the theatre was empty. Surely it would be better, from the point of view of encouragement, to fill the house at \$1.25 than to leave it in its present condition.

The "dress parade" referred to by a correspondent continues. It seems to be the local tradition that a two-dollar ticket carries with it an obligation to dress.

Surely the Repertory Theatre could arrange to present their plays more cheaply and thus take advantage of the prestige which will accrue from the production of "R.U.R."

Reading

Among the many idiotic investigations into American University life which have been undertaken in the past few years, one stands out as perhaps a little less demented than the others. It deals with reading done outside the prescribed courses and seems to show, — probably without the slightest relation to true accuracy — that less than fifteen per cent of the students read even a book or two of the kind excluded from "light fiction" bargain counters. Inaccurate as this probably is, there yet remains cause for head-wagging and tongue-clicking because even general indications have their value.

A professor has said that notwithstanding all the extra-curricular activity which is part of the life of every student, there is more spare time in a university career than in any other part of life. During this time the opportunity is presented to explore fields towards which one has any inclination whatsoever. Here especially, with the Redpath Library, it is possible for the undergraduate to find all kinds of information in all languages, which can be used to supplement what little is learned in the twenty courses taken in four university years.

The college student is still, perhaps now erroneously, regarded as a seeker after education and opportunities for extra-curricular reading certainly do nothing to render this definition inapplicable. The term "well-read" is almost synonymous with "educated," and the person who blinds himself to the facilities which are offered him to lay the foundations of a real education deprives himself of one of the rapidly diminishing number of advantages offered by the modern university.

A Recommended Course

We have laughed so often at the educational vagaries of our American friends that the topic is becoming hackneyed. Two years ago there was an outburst when some thitherto sane university official suggested the institution of a degree course in the art of glass blowing. About the same time several of the most reputable colleges established departments leading to the academic distinction of Bachelor of Hotel Management. The calendars of several of the midwestern universities include military, interior decorating, pastry cooking and intensive studies of the Bacterial Content of Undershirts. But latest, and perhaps best of all, comes the suggested inauguration of a course in Rest and Repose for dance-jaded co-eds.

The argument seems to be that college life is making women unfit for active service and that, since the colleges are to blame they ought to do something about it; hence the instruction in Scientific Rest

and Repose presumably with laboratory periods.

It is a pleasing vision to the mind's eye to imagine the wilted girls leaning back scientifically in scientific chairs, scientifically resting in an atmosphere scientifically purified to ensure the most efficient rest.

It is unfair that the fruits of higher education should thus be reserved exclusively for women.

If McGill ever adds such a course to the curriculum we will be the first to register for advanced instruction in Higher Scientific Rest and Repose (Honors Course) with an indefinite number of laboratory periods.

SO THIS IS CAMBRIDGE

By E. S. Fay

Editor of the Cambridge "Gownman".

A year ago I contributed an article to the Gownman under the above title, endeavoring to show how the restrictions enforced here struck a newcomer used to a freer system. This seems to have attracted more attention overseas than in Cambridge, some of which attention, however, has not been altogether pleasant.

Apology Needed?

For instance a correspondent in Australia asks in a letter "for what disloyal reason should you seek to bring the reputation of so fine a University to ill-fame?" He goes on to say "I am completely at a loss to find some motive to which I may attribute your infamous work. To justify your perfidious allusion is out of the question. To contribute an article of apology is the only honourable course."

It is therefore with some trepidation that I comply with the editor's demand for a further article. For this is not an apology. Lengthening residence in Cambridge has not caused me to alter the opinion that the restrictions imposed on undergraduates here are pernicious anachronisms.

It is a great pity that the first feature of Cambridge life to strike a newcomer is so unfavourable. For when he has truckled under to this mediaeval tyranny and become used to what Dr. A. J. Nairn has called "these repressive rules, with their clumsy enforcement," then he begins to discover many features of Cambridge life which are great improvements upon his previous experience.

Take the position of women. The newcomer to Cambridge learns with amazement that the residents in Newnham and Girton are not members of the University. Further he is confronted with the wall of rules and regulations built by the authorities between the men and women students. He naturally concludes that women have no influence upon undergraduate life and that social intercourse with them is rare.

Women at Cambridge.

The latter conclusion does appear to be to a qualified extent true. The official wall does scare the timid, and the numerical inferiority of the members of Newnham and Girton as compared with the eighteen men's colleges does lead to social meetings with the opposite sex being an infrequent occurrence in the average undergraduate's life.

But those who boldly approach the wall find on closer inspection that there are several doorways in it and that it is in any case of flimsy structure. And as for participation in non-social University life, the women here seem to exercise an influence out of all proportion to their numbers. The political clubs and the various other University intellectual societies (such as the Marshall Society, the League of Nations Union, etc.) admit women to membership and office, and they take an active and unhindered part in these organizations' affairs.

In Canadian Universities, on the other hand, women are officially recognised and social intercourse encouraged. Thus their numbers are relatively greater and they are more effectually assimilated into the "student body." But though they are socially assimilated, intellectually they are not. Despite their official status they are not usually admitted to the University societies corresponding to those Cambridge clubs mentioned above, preferring generally separate societies of their own.

More Co-education Here.

What lessons in comparative national psychology may be drawn from these two cases I do not profess to know. But I do maintain that the relation of the sexes at Cambridge is altogether sensible and underserving to the complex rules and regulations by which it is (in theory) circumscribed. It is an amusing and essentially English paradox that here where women are not even admitted to the University, co-education is in some directions more complete than at a Transatlantic University where it is taken for granted.

Another aspect of Cambridge undergraduate life which deserves wholehearted praise is racial tolerance. The Canadian Universities are far from spotless in this respect. A large proportion of their students are of Semitic race and Jewish faith, and between them and the so-called Nordic element much bad blood exists. There is open discrimination against Jews in the election to offices in societies and in the student government. To this as to all broad generalisations there are of course honourable exceptions, but in general this hampering and retrogressive state of affairs exists.

Race Prejudice

Here at Cambridge the Oriental student is in much the same position as the Jewish student in the Dominion. And here too, of course, there is a certain amount of unthinking and deplorable prejudice against the Oriental minority. But this "certain amount," though at least enough to form the subject of a Union debate earlier this year (and, human nature being what it is, it is too much to expect it to be absent altogether), is definitely kept underground by the powerful force of undergraduate opinion.

This follows from the most striking characteristic of undergraduate opinion here a characteristic unfortunately all too rare elsewhere; its extraordinary tolerance. The proctorial and official hierarchy frown on this and frown on that, but—perhaps being driven in protest to the opposite extreme—undergraduate opinion wears no frown but only a large and tolerant (some spiteful people might add, vacuous) smile. You may wear odd clothes, do odd things, associate with odd peo-

ple, sing odd songs and none of your fellow undergraduates minds at all.

This appears on examination to be not a conscious protest but the one redeeming feature of that stunted apathy so sedulously cultivated here, an apathy which, in other manifestations, has done much to impair the reputation of England in the New World.

CORRESPONDENCE

TOO MUCH AND TOO MANY

The Editor,
McGill Daily,
Dear Sir,

Yesterday's performance of "R.U.R." by the Montreal Repertory Theatre in Moyse Hall, which considerably enhanced the reputation of that institution, does, however, cause the writer to regret that the play is offered to such a limited public. It also challenges the aims and achievements of the organization in furthering the interests of the drama.

The prices of admission to productions of Montreal's Little Theatre, apart from generous privileges to students, seem to imply an anxiety to cultivate and maintain an exclusive following. This becomes more apparent if one spends an evening in their company. So much obloquy has already fallen on that class of theatregoer who could not enjoy a play unless he or she were in evening dress that it is rather depressing to notice the dress parade which is the audience of the Repertory Theatre almost in its entirety. There may be some concessions allowed to tradition in a richly appointed theatre or opera house by which a section is allotted to the martyrs of the belted shirt and their ladies, but in Moyse Hall the ritualism becomes strained to the point of an exclusive fetish.

The tradition of evening dress at the theatre is, in any case, one European custom which we may safely call effete, and combined with late dining and consequent late arrival at the theatre, is one of the major curses of the stage in London at least. Of course it is not expected that diners out be constrained to change to informal clothes before visiting Moyse Hall, but they need not set the style.

All this is comparatively unimportant except in so far as it destroys Montreal's chance of having a people's theatre, a popular stage which can not only encourage would-be Theatians, but bring out the inherent love of the drama in many who have so little opportunity to indulge it. Until then our competent amateur theatre does not deserve the bouquets that passing dramatic celebrities like Maurice Colbourne shower upon it. These men have always the masses in mind, and no exclusive group; that is why they have given their abilities to the furtherance of the drama.

Last night's performance began after eight-thirty and was over before ten-thirty; the company adhering rather literally to the "two hours' traffic of the stage" by omitting the illuminating epilogue of "R.U.R." which provides the author's solution of the problem left unsolved At the close of the third act.

Yours etc.,

Panem et Circenses

THEY ALSO SPOKE

The Editor,
McGill Daily,
Dear Sir,

It was with a great deal of interest that I read your account of the production of "R.U.R." in the Moyse Hall, as I myself took part in the play.

But after reading through it I found to my great dismay and disappointment that no mention whatsoever had been made about the robots that appeared towards the end of the third act.

Though their part is but a short one, it required a great deal of practice and care on their part and that of the director. To think that the only ones to appreciate them are their own parents is a monstrosity, for they really were the most important one in the play.

Could you imagine what the play would have been like without them? Think how dramatic it was to see Dr. Gall who had invented a better brain for the robots, stabbed by one of them; and the impression that the mechanical "Yes" produced on the audience in answer to the question of Radius, "Finished them?" Then too their strenuous voices and their continually increasing stamping of feet was certainly most instrumental in showing the audience how terrible and horrible was the fear of the robots.

Hoping, sir, that you will recognize us as part of the cast, I remain,

Yours truly,

A Robot.

College Comment

THE OBLIGATIONS OF EDUCATION

We have all seen any number of those glorified pictures of the man with a mortar-board and diploma gazing out on the vista of the future, plentifully dotted with skyscrapers, turbines and a rising sun. It is quite true that the man with an education holds the key to the universe. He has risen from the dullness of the earth with its reverence for what has been, to the mountain tops where it is the future which counts. Without an education man must shut out from himself those things which lie too deep for perception, with an education he may cast off into space and feel the exhilaration of infinite scope. Although this all sounds suspiciously like poetry few sane men will deny the tremendous opportunities of the intelligence which comes from education. To be given these opportunities is in itself an opportunity which makes every college student a debtor.

In personal circumstances he may be a debtor to his family but in every case he is a debtor to his state. When the government gives an enormous sum to education, it is not a donation but an investment, an investment in youth which is to lead it to greater things. Few of us realize the enormity of the obligations of an intelligent man or woman to society. Intelligence has not been given him so that he may arrogantly dominate his less fortunate fellow-citizens. He is to develop his sum of intelligence to the utmost contribute to the enlightenment of the world and raise up the illiterate with him. We believe that intelligence which is social rather than egotistic is the sole hope of democracy. Indeed the personal opportunities of education should not blind us to its obligations, the obligation to humanize learning into social applications and the obligation to diffuse the essentials of that learning among the illiterate and the biased.

—Western Gazette.

Fungi Found to Have Structure Of Complex Kind

(Continued from Page One)

between them. The depth of the deposit may be imagined from the fact that in 48 hours, as many as twelve thousand million spores may fall from a single mushroom. The individual spore, however, is only one four-thousandth of an inch in diameter.

It is found that some varieties drop considerably larger numbers of spores at higher temperatures than at lower. The spores may be seen, though invisible under ordinary conditions, by the use of a hand lamp at night. Experimentally, the same result may be obtained by suspending a bit of mushroom in a closed beaker, and viewing it as illuminated by a transverse beam of light. By the use of the microscope and a closed glass cell containing a piece of gill plate, the rate of fall of the spores may be measured. This has been found to vary with different species, between about one-half and four and one-half, millimetres per second, the smaller spores of course falling much more slowly than the larger.

Bisexuality Found

By sowing single spores in sterilized culture media, it has been found that bisexuality is a common characteristic with fungi. The method used is to watch through the microscope the development of the cells from two adjacent spores. It is seen that there is fusion of cells, though the nuclei do not join together as in the case of animals and ordinary plants. The nuclei of the two cells grow and divide together as conjugate nuclei right up to the adult stage, uniting only just before the formation of spores in the head of the plant. The process is apparently truly bisexual, and is noticed in a large number of species.

Gill Colors Change

In some varieties it is found that the gills are of a mottled black and white color, and moreover, that the patterns of the mottled regions are constantly changing. This has been found to be due to the fact that different parts of the same gill produce ripe spores at different times. The black areas are seen to be covered with ripe spores ready to fall to the ground, and the lighter spots to consist of those cells which have not yet come to maturity. When any ripe area has become denuded of spores unripe cells in the same area are coming to maturity, so that spores may continue to fall from the same portion of the gill for a long time. This and the ripening of the white patches account for the change in the pattern of the region.

Fairy Rings Described

"Fairy rings" of different kinds are due to the radical spreading of the underground mycelium from a central point of infection. Thus mushrooms, puff-balls, etc., have been found in rings with a radius of as much as 65 metres. These puff-balls may contain up to seven billion spores. It has been estimated that if all the pores from one specimen were to come to maturity, then in three generations, 800 globes each the size of the earth, would be needed to accommodate them all.

Trace Formation Of Great Lakes During Ice Ages

(Continued from Page One)

its tributaries. This river followed the course of the modern St. Lawrence to a certain extent, but was larger and flowed much further out to sea.

Ice Ages

Then came the four ice-advances, going as far south as modern New York. Later, as the pressure of the ice was removed, the Earth's crust tilted in various ways, causing different rivers to drain off the water at different fixed periods. Thus the now-vanished Chicago river carried off water to the Mississippi for a time; then the Hudson-Mohawk; the Ottawa, and so on. At one period a shallow glacial sea called the Champlain flowed in from the Atlantic as a result of big depressions in the crust; this was repulsed when the elastic surface rose again.

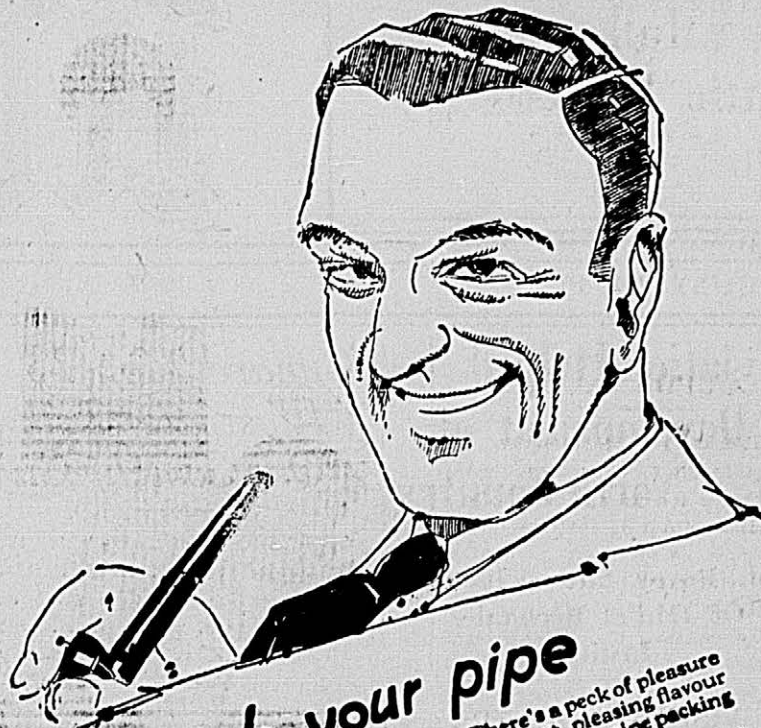
Regarding the Niagara Gorge, Dr. Clark said that the varying depths found along it show periods when it was a greater and lesser drain for the embryonic lakes. The strata consists of a top layer of very hard limestone, under which is found soft shale; the water wears away the soft shale, thus undermining the limestone and causing it to break off at a rate of from five to seven feet yearly.

Lakes to Disappear

When the gorge is entirely worn away, in some thousands of years the Lakes will be drained much more rapidly and will finally disappear altogether. There will be little or no change in the next three centuries or so, if men refrain from excessive tampering with the flowage. If there are any humans on the earth when the Great Lakes ultimately vanish, they will find a very rich wheat-growing area in the resultant land. Roughly speaking, Dr. Clark said, as regards the Great Lakes area, Geological History, for the present, ends where Human History begins.

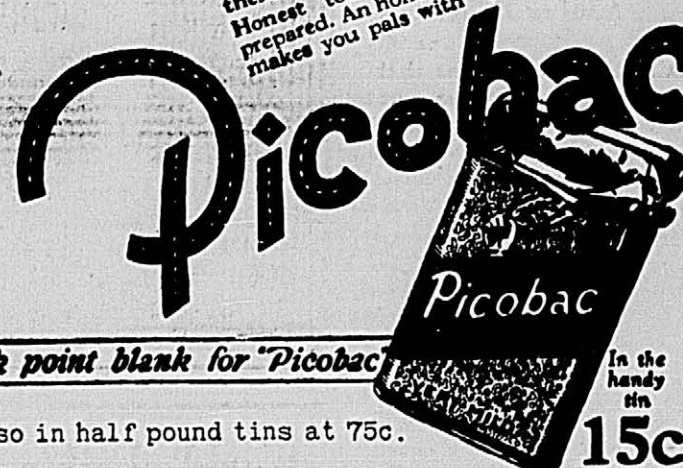
No, Belinda, the pole vault is not the Bank of Warsaw.

Notre Dame Journal.



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Senior Hockeymen Battle For Loop Headship Monday

Play M.A.A.A. in Home Affair—Hold Final Workout Today

COUPON NO. 14

McGILL'S band of stickhandlers will run through a final workout today before they stack up against the league leading M.A.A.A. sextette at the Forum next Monday in a contest which should prove to be one of the highlights of the local amateur season. The redmen, one point behind the leaders, are hot on the trail of the Wheelers, and when these squads clash the proverbial "battle of the century" will be on.

Coupon No. 14 will entitle all McGill students to witness the affair and in spite of the mid-term exams in several faculties, a fair-sized crowd is expected to be on deck. The McGill-M.A.A.A. set-to is booked as the second contest on the evening's doubleheader, and those arriving early will see Canadians and Victorias, old time rivals, fight it out, the loser being virtually eliminated from play-off aspirations. These squads are deadlocked at five points apiece, and a win for either team will mean drawing up on a par with Columbus, for third position.

Lineup Indefinite

Coach Bell's red and white lineup is at the present quite uncertain. During the past few contests the McGill mentor has been alternating his two front lines in an effort to ascertain the best possible combinations. Crutchfield, who has been laid up with a cold, but is expected to see service on Monday, has been tried at centre where he has proved quite effective. Young Ken Farmer has also held down the key berth with considerable success of late, while Darce Doherty, poke-check artist has also shown considerable ability at the centre position.

Jack McGill and Hugh Farquharson constitute two left wings that are a treat to watch. Farquharson's tricky, weaving style has fooled many an opposing squad while McGill's bullet-like drives from the left boards are a constant source of worry for opposing goalkeepers.

Stalwart Defence

Captain George McTeer and Bert McGillivray constitute a defence combination, easily the equal of any of the senior group. McTeer has done yeoman service at his post, while the diminutive McGillivray may be counted upon to provide the necessary opposition when called upon. Behind these two men, Maurice Powers guards the McGill net, and when it comes to talking of goalending, Powers' ability at this job ranks with the best of any.

Russ Ward and Tommy Robertson, veterans of former McGill battles, conclude the well-balanced roster. The former, a left winger and centreman of no mean ability, and the latter a reliable right wing man, add the necessary punch when it comes to carrying front line attacks. Most of the work in the coming intercollegiate game with Varsity in Toronto on January 24 next will devolve upon the shoulders of Ward, who will be best remembered for his sensational performance against the Blueboys last year at the Forum.

All in all, this edition of the "Big Red Team" is a squad with plenty of hockey experience, a squad that can fight to the end, and when the fans see them next Monday, the redmen may be assured of plenty of support.

C.O.T.C. Orders

Battalion Orders For The Week Ending 10th January, 1931.

By Major J. W. Jenkins, M.M., O.C. Orderly Officer: Orderly Officer—Lieut. D. R. Sampson. Next For Duty—Lieut. A. H. McDougall.

Battalion Parade: The Battalion will parade at the Armoury of the Black Watch of Canada, Bleury Street, on Wednesday, 7th January, 1931, at 7.45 P.M.

Orderly Room and Q. M. Stores: The Orderly Room and Q. M. Stores will be open on Mondays and Thursdays until further notice.

Dress: Officers and cadets will draw winter headgear from the Q. M. Stores by January 7th. Until further notice fur hats will be worn on all parades.

Musketry: The following will fire their musketry classification at the times indicated: 5.15 P.M. Cadets MacGregor, H. D., Phillips, R. W., Tannenbaum, J., Reid W. S. 6.15 P.M. C.Q.M.S. Slatkoff, W. R., Cadet Guay, M., Cpl Briscoe, H. W., Lt.-Cpl. Tyner, A.

Promotions: To be Major: Captain Pennell, H.D. To be 2nd Lieutenant: S.S.M. Turner, D. C.

J. W. Jenkins Major O.C., McGill C.I., C.O.T.C.



DON YOUNG, last year's captain and centreman of the McGill senior basketball squad who has recently returned to practice. He has starred at that position for the past two years and his return has given McGill's chances for winning the intercollegiate championship a great boost.

Sports Notices

BADMINTON

Practice hours for this term will be the same as in the last, Tuesdays from 5 to 7 and Thursdays from 6 to 9 in the M.H.S. gym. It is hoped that a considerably increased number of players will be seen on hand during these practices.

The club tournament will take place in early February and entries will be called for shortly. Several outside matches have also been arranged in both the A and B classes.

SWIMMING

The following men are requested to take time trials at the distances mentioned after their names before Feb. 1st, making sure that they are recorded by one of the coaches, managers or the captain. Sprenger: 50, 100, 150 back 100 back; Brophy: 50, 100, 100, back, 150 back; Wilson 440, 100 back, 150 back; Wiggers: 100 breast, 220 breast; Shaw: (F.) 50, 100, 440; Payton: 440, 220 breast; Shackell: 440, 100, 50; Shaw, R.: 50, 100. In addition, as many men as possible are asked to have a trial at 100 yards, as two teams may possibly be entered in the Dominion 400 yard relay championship at the M.A.A.A. on January 23rd.

WATER POLO

There will be a practice game against the M.A.A.A. in the tank at the Peel Street Clubhouse on Monday, January 19, at 8.15 p.m.

INTERCLASS BASKETBALL

The following games must be played as scheduled below as the play-offs start the week of January 18. Friday, January 9: G.H.'s Gym: 5.15 Comm: 4 vs. Science 2. 6.15 Science 3 vs. Med. 1.

HARRIER PICTURE

The harrier picture is now ready in the Athletic Office. Those wishing one please call around and sign up immediately.

JUNIOR HOCKEY

All Junior men must have their birth certificates ready before the

McGill Oarsmen Start Practising

New Constitution of Rowing Club Now in Force

MACHINES READY

At a well attended meeting of the Rowing Club held yesterday afternoon in the Music Room of the Union, the new constitution of the club was ratified. This constitution was proposed by the graduates of the Club, who have been working on it for the past six weeks.

Under this new system, inaugurated yesterday, the active management of the club will be completely under the control of the former oarsmen. It has been felt for some time that undergraduates holding executive positions could not put their best efforts into rowing. Furthermore it is hoped that keener competition will result from this arrangement and that the choice of crews will be unprejudiced.

Lorne Gales, the President, announced to the members that the machines were installed at the Field House and that there would be one of the Senior oarsmen on hand every afternoon to instruct the novices in the art of rowing. Turnouts will be held daily from 3 to 6 p.m. except Saturdays, and will continue until just before the April exams. The names of those present were taken yesterday and any others who were not able to attend but who are interested in rowing can give their names to one of the following: Lorne Gales, Howard Elliot or Doug Hamilton.

R.V.C. PHYSICAL EDUCATION Owing to mid-term examinations all classes in Physical Education are cancelled until Saturday January 17 inclusive.

R.V.C. BASKETBALL

There will be a practice for the senior and junior teams on January 15.

Scheduled Bouts Will Provide Good Practice For Team

Coach Light Plans Attractive Card With Y.M.C.A. Saturday

AT FIELD HOUSE

WITH the intercollegiate B. W. & F. meet only a little more than one month away, coach Bert Light now has his boxers on the highway to good condition, in preparation for this prized event, and for the trips to New Hampshire, and Ottawa where a high class of leather-pushers may be encountered.

This Saturday afternoon Coach Light has planned nine bouts, mostly against crack performers from the Central Y.M.C.A., that will take place at the Field House at 8 P.M. sharp. The feature match of the afternoon is in the heavyweight division where McGill's hard hitting champion Roger Wilson will stack up against an opponent of the same style, Charlie Druce.

Many Good Bouts

While this battle is billed as the feature and is sure to attract many fans to the ring side several other bouts auger to be just as exciting, and productive of better boxing. MacGregor, Porteous, Thomas, Sampson, Craig and Veltch are wearers of the red and white who are now going great guns, and they promise to come out with flying colors in Saturday afternoon's encounters. Judging from their recent practice form, their opponents will at least see action all the way.

An event that is attracting more than a little attention in McGill ring circles is the Montreal Junior Boxing Championships, which are scheduled for the end of this month. Every man on the University squad is eligible for a try at these titles and it is more than possible that McGill's representatives in Toronto next month will carry Montreal honors with them.

McCooley at Collage

Coach Light is enthusiastic over the development of his class, and believes that he will manage an even better squad than his last year's champions this season. Only two weights, the 112 pound and the 126 pound, are not being keenly contested, while the whole university is waiting to see if Dan McCooley, former New Hampshire university champion, and coach, now registered in first year Medicine will turn out, and help bolster the red and white representatives for '31.

"Ow" O'Meara would also be a welcome addition to the squad at this time, and would fill in very well. The aspiring lawyer has been training faithfully all fall, and right now could go several rounds, and come out as fresh as a daisy.

In any event Saturday afternoon will go a long way towards telling the final make-up of the McGill Boxing team this fall, and a large crowd is expected at the Field House to watch what promises to be the best ring afternoon of the season so far.

Weight McGill Y.M.C.A. 118.....Cronyn..... vs.Hall 126.....McGee..... vs.Gould 135.....MacGregor..... vs.Buchanan 135.....Thomas..... vs.Palumbo 147.....Porteous..... vs.Goddling 147.....Crutchlow..... vs.Gardner 118.....Sampson..... vs.Slattery 160.....Veltch..... vs.Wells 175.....O'Meara..... vs.Greenblatt heavyweight Wilson..... vs.Druce Craig will also be matched against an opponent not yet selected.

McGill Basketeers Play Doubleheader At M.H.S. Tonight

Seniors Meet North American Life in Feature Game

START AT 8 P.M.

TWO changed line-ups will start for McGill tonight in the two exhibition games scheduled to take place at the Montreal High gym. The return of Don Young will shift Faulkner to forward, leaving MacLean as the only other centre-man on the first squad. Hammond has returned to the city league squad which has been further augmented by the return of Bob Haydon, star on the intercollegiate team three years ago.

The opponents for the Seconds in the first game have not yet been picked while the McGill intercollegiate team opposes North American Life senior squad in the second tilt of the evening.

The North American Life team is composed almost entirely of last year's M.A.A.A. quintet which won the senior provincial title but which later bowed to McGill in the play-off for the Dodd's trophy, emblematic of the city championship. McGill has already defeated this team once before this year in a practice game, but the visitors have two of the finest forwards in Canadian basketball in Cliff Melville and Gordie Kyle.

However McGill will not be lacking either in a top notch forward line. In Captain Small the Redmen possess one of the leading scorers in the intercollegiate league last year. Al Weber, former U. of S. California star has proved to be the find of the year and his cool-headed playing and excellent ball-handling have caused him to be the most discussed player in the city.

MacLean, who has been substituting at centre this year is improving steadily and if one is to judge by his recent performances he will be a serious contender for the regular position. The Seconds, with the recent return of several veterans will present a team which should come well up in the league standing. If the rest of the forwards are short McGill is fortunate in having a tall centreman in Harry Church. Although not a fast player, Church has always proved a great source of annoyance to opposing guards by his ability to pull down rebounds and in receiving high passes under the basket.

The Seconds have a large number of guards to choose from Feigenbaum, Silverman and Halpenny go to make up one of the strongest defences in the city and should cause their opponents plenty of worry before the year is over.

Midnight Visit Excites Co-eds

"Eeeeeee! Someone's trying to get in the window!"

This feminine ejaculation was immediately followed by a wild dash for the hall in one of the University annexes, and hysterical giggling and squealing, after the manner of women. Co-eds, hearing the noise, burst from their rooms in various stages of dress and undress, and cowed together, shivering with fear. From the downstairs rooms more co-eds came,

clinging together and looking fearfully about them. "Perhaps it's the blinds," someone suggested. After investigation it was found that there were no blinds; in fact, there was nothing which could produce such a noise. Downstairs the crowd trooped and to the front door just in time to see two shadowy forms leaving the front yard. The mystery was further heightened by the discovery of a piece of rope on the porch. "Came down," and with it enlightenment. Two practical jokers from a nearby fraternity house had damped

ened a piece of rope and rubbed it back and forth across the corner of the house. And now the girls say that they weren't frightened in the least. —Exchange.

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Aviation Helped Development of North Country

(Continued from Page One)

mail, and they patrol the vast forests to keep a lookout for fires.

The lecturer stated that the mineral resources of Canada have increased greatly in recent years, and most of this increase has come from the North. The town of Rouyn, in the centre of the great mining district, was, in 1924, a town of fourteen houses; now it has a population of about 5,000. It is connected with the centres of the provinces of Ontario and Quebec, by air lines, railways, and highways.

In conclusion, the lecturer drew a striking parallel, with the aid of a slide, between the old legend of the "voyagers" of the north, who paddled their canoe through the air, and the airplane, which has made this dream come true.

Colbert Views Life On Farm

Draws Comparison Favorable to Country Life as Against Urban Life

— By Exchange Service —

Viewing farming not alone as a business or occupation but as a mode of living, Prof. R. J. Colbert, department of economics and sociology of the university, drew a comparison favorable to country life in Wisconsin as against urban life, in a radio address over WHA the university station. He noted a marked improvement in the living conditions of Wisconsin farmers. In the present economic depression, also, he said they are relatively immune to the acute sufferings left upon city workers in the unemployment crisis.

"While these last 10 years have been indeed discouraging for the farmer from a business standpoint," said Prof. Colbert, "they must go down in history as the decade of the greatest progress in the standard of living in the Wisconsin farmer."

Some of the evidences of the farmer's improved living standards were noted by Prof. Colbert. Quoting from a survey made by students, it was found that one of every 10 farmers in the state lived on a paved road; four of every 10 lived on good gravel roads; half still live on dirt roads, which, however, are superior to the roads of the previous era. Nearly two-thirds of the farm homes have telephones. Nine of every 10 have automobiles, and one in every four has a truck for marketing his produce. More than two-thirds take daily newspapers.

Other signs of this advance, mentioned by Prof. Colbert, were seen in the fact that 26 per cent, or one out of every four has electric lights, and 9 per cent from their own home plans. In 25 per cent of Wisconsin farm homes electric power runs the washing machine, and in 18 per cent there is running water in the kitchen while 11 per cent have bathtubs. Furnace heat is enjoyed by almost a quarter of farm homes.

Other city facilities found on farms are: pianos, 29 per cent; music lessons given to farm children, 11 per cent; phonographs, 48 per cent; radio, about 50 per cent.

ANNUAL NOTES

Individual pictures of the seniors in all faculties must be taken at Notman's inside of two weeks. All those who have not yet returned their proofs must do so within this time, otherwise the photographer will make the choice. Class presidents must make arrangements with the Street Photo Company at once. Prices for executive groups are five or seven dollars depending on whether the picture in the Annual is to be large or small.

Paris Latin Quarter Prepares Fine Fare For Poorer French University Students

— By Exchange Service —

Paris.—The rising cost of living in Paris have not touched to any extent the thousands of students who have poured into the Latin Quarter for the opening of the University of Paris, the polytechnical school and the dozen other institutions located there.

The old tradition of a full meal for less than two bits still exists in scattered restaurants. Clothing stores along the Boulevard St. Michel still promise students complete suits for \$20 and hats for \$15 with yet "more interesting" prices for those who get along, as many do, with pants of one color and coat of another.

A student in the Latin quarter can live two semesters on \$230, not counting clothing, books and tuition. But he spends little for clothes and less for books. His courses are lectures and he has no prescribed text books. His general reading may be done in the library.

His tuition? He can study an entire year at the Sorbonne—the faculty of letters of the University of Paris—for \$5.00 including use of the library. If he enters a technical school he will have laboratory fees but they are proportionately low. One of the most expensive private schools of higher learning charges but \$60 a year for full privileges.

Faculty of Arts And Science Mid-Sessional Examinations

JANUARY 1931

(Numbers do not indicate years, but the number of the course in the Department.)

Examinations will be held:—

FOR WOMEN—in the Royal Victoria College.

FOR MEN—in the Arts Building (unless otherwise stated).

Examinations will begin at 9 A.M. and at 2 P.M.

Monday, January 12th.

9 A.M.—Chemistry 3A
Economics 12
French 5A
Economics, Grad.F.

2 P.M.—Ancient History
Greek 4
Latin 4

Tuesday, January 13th.

9 A.M.—Botany 8A
Geology 4 (Eng. Bldg.)
Trigonometry 1
Sph. Trigonometry 5
Mathematics 1B

2 P.M.—Botany 6
Economics 23
Geology 7
English 14

Wednesday, January 14th.

9 A.M.—Economics 19
Sociology 5
Zoology 1
Zoology 1M

2 P.M.—Business Organization
Economics 8
English 1A

Thursday, January 15th.

9 A.M.—Chemistry 11 (Eng. Bldg.)
Economics 28 (for men)
Geology 7 (Eng. Bldg.)
Latin 1A
Economics 6

2 P.M.—Chemistry 13
Economics 4
Economics 10
Sociology 9

Students must make written application to the Dean for seats in the English 1A examination, and pay the regular supplemental fee of \$5.00.

*For practical examination see Mr. Gibbs, December 31, 1930.

IRA A. MacKAY, Dean.

Girls Find Bathing Suits Right Togs For Research

— By Exchange Service —

Can you imagine taking a course in which it is "the thing" to wear a bathing suit to class? That doesn't sound enticing just now, but Helen Hillsman and Louise McKain, both senior zoology majors in the college found it was a good idea in the field zoology trips they took at Cold Spring Harbor, Long Island, last summer.

One of the occasions when a bathing suit came in handy was in hunting for squilla. These animals, a form of crustacea, live in mud holes near the sea shore, and must be hunted at low tide, as they are submerged when the tide is high. "Sometimes we'd have to wade in mud up to our hips to find any," Helen said very calmly, just as if wading in mud was a common matter in the life of a zoology major.

Another exciting thing Helen and Louise did, was to go dredging forty fathoms for deep sea life. They used large nets, thrown over the side of the boat. In fact, nets were very popular articles for they always carried their little "butterfly" nets too, to catch any insects they wanted.

For a research problem Helen and Louise worked out the life history of the mud-dauber wasp. Interesting insect, this! It builds its nest of mud then lines the nest with spiders which it has stung and anaesthetized, so that the larvae will have fresh food to feed upon when they hatch.

The girls were sent to the session by the Collobola Club Scholarship. Both are members of Quax, honorary scientific fraternity. Helen plans to do research work in zoology in a museum or university when she graduates from Pitt, and Louise intends to enter medical school.

Student Decries Intensity Of Feminine Smoke Screens

— By Exchange Service —

The sight of a woman smoking has become almost as common as that of a miniature golf course on every corner and vacant lot, and, if figures do not lie, has become quite as obnoxious to the male element. A most discreet survey has established this fact.

Strange as it may seem, women, 95 per cent of the men do not approve of your smoking. A shade better than nine chances out of ten, the very man who so nonchalantly offers you cigarettes does not like to see you smoke and hopes that you will refuse. But he refrains from airing his views for fear of being considered a prude, a puritanical idiot. Ask him yourself sometime and force the truth out of him. It requires subtlety. Merely make the statement that you do not approve of this feminine smoke movement and are only falling in line with the mode. He will look at you in quick surprise, and happy in finding one whose view coincides with his, he will confess his own antipathy in a seemingly endless flow of glowing words.

Even Princeton Opposed

Even in Princeton, here, if anywhere, broadmindedness should flourish, the majority of the men stated that the most essential quality of the ideal girl is abstinence from smoking.

Men will date smokers, true enough. They associate smoking girls with, to use the vernacular, fastness. They believe, with fair reasoning, that if a girl smokes—well, make your own deductions. And can you blame them? They marry them, too, you'll say. Why yes, in moments of weakness, perhaps, but when the woman subjects herself to constant lectures on smoking by the now outspoken young man. Perhaps the first rift in the rosy cloud of marital bliss will be over this self-same controversy.

Doctors Rule Against It

Then there is the important factor of physical effects. Doctors agree that nicotine and other narcotics have a more powerful effect upon a woman than upon a man. Women are naturally more delicate. Their body tissues are more sensitive to drugs. And once a woman has acquired the smoking habit it is harder for her to break it than it is for a man. Consider, too, the effects upon the offspring. There is the case of a boy of three whose mother has been smoking innumerable cigarettes each day ever since before her marriage. His case presents a powerful argument. His arms and legs are scarcely more than skin and bones, his eyes weak and watery, his face pinched and pock-marked, his very body so thin that it is a miracle that life can exist within it. And this is only one of many such cases.

It is quite evident that men do not respect women now as they did in the past. Why should they? In taking upon themselves masculine habits and mannerisms, women are pulling themselves down, and, having done so, they must expect to be treated as man to man. Yet, illogically, women resent this sort of treatment. What do they expect? The millennium has not yet been reached nor are there any evidences of its appearing in the near future.

Paris Latin Quarter Prepares Fine Fare For Poorer French University Students

— By Exchange Service —

Paris.—The rising cost of living in Paris have not touched to any extent the thousands of students who have poured into the Latin Quarter for the opening of the University of Paris, the polytechnical school and the dozen other institutions located there.

The old tradition of a full meal for less than two bits still exists in scattered restaurants. Clothing stores along the Boulevard St. Michel still promise students complete suits for \$20 and hats for \$15 with yet "more interesting" prices for those who get along, as many do, with pants of one color and coat of another.

A student in the Latin quarter can live two semesters on \$230, not counting clothing, books and tuition. But he spends little for clothes and less for books. His courses are lectures and he has no prescribed text books. His general reading may be done in the library.

His tuition? He can study an entire year at the Sorbonne—the faculty of letters of the University of Paris—for \$5.00 including use of the library. If he enters a technical school he will have laboratory fees but they are proportionately low. One of the most expensive private schools of higher learning charges but \$60 a year for full privileges.

To Give Twenty Lectures in New Telephony Course

(Continued from Page One)

They converge slowly as with telephone lines.

4. Calculations of the velocity of propagation of electric waves.

5. Requirements for distortionless transmission.

6. The equivalent I and II networks of transmission lines.

7. Principle of Superposition, Reciprocity Theorem, Thevenin's Theorem, Compensation Theorem.

8. Iterative and Image Impedances reflection factors.

9. Complete Insertion Loss and Insertion Phase Shift Formulae, with numerical illustrations.

10. The loaded line.

Note: The development of the Complete Insertion Loss and Insertion Phase Shift Formulae will constitute the main part of the course.

Englishman Is Recluse—Claim

Chesterton Says Englishman Is Less Approachable Than Average American

— By Exchange Service —

Surrounded by an invisible house of his own creation, the Englishman is less approachable than the average American. Is the opinion expressed by Gilbert K. Chesterton in an interview given to the Syracuse University Daily Orange recently. In America, he pointed out, there seems to be a more universal fellowship among people of all classes.

It isn't customary to accost a passerby in England with a request for information casually as one commonly does in America—rather a formal attitude is expected, as though one were apologizing for having not secured an introduction at the gentleman's club.

Compares With British

This subtle difference between the social atmosphere of these two countries applies also to their respective educational institutions. The British college student is apt to be rather stolid, quiet and reflective in contrast to the enthusiasm characteristic of the American student.

Among other topics, Mr. Chesterton expressed his views on the questions of woman's place in modern civilization, the trend of modern literature, and the problems of India and Russia. Concerning the first of these, he definitely stated that woman is out of her element when she forsakes the home for the world of business and government.

Novel Burdened With Detail

The contemporary realistic novel so-called, has lost some of the perspective of life in its rather tedious burden of detail. For instance, it would be tiresome if a man were to relate in ordinary conversation the brand and quality of countless cigarettes that he had smoked during the year.

As to the issues involved in the affairs of Russia and India, the British author stated that he had formulated no definite conclusions. However, they do hold considerable interest for him and he would be inclined, on the whole, to favor the simplicity of Gandhi's philosophy in preference to the Russian doctrine of industrialization.

Recent Additions To The Library

Huntton, W. G.—English decorative textiles.

Longhi, Roberto—Piero della Francesca, tr. de Jean Chuzeville.

McGrew, C. B.—Italian doorways.

Mendelssohn, Erich—(Das) Gesamtschaffen des Architekten.

Muratoff, Paul—Fra Angelico, tr. du russe par Jean Chuzeville.

Ricci, Corrado—Correggio, tr. de Jean Chuzeville Zankine.

Sichoukine, Ivan—(Les) Miniatures indiennes de l'epoque des Grands Moghols au Musée du Louvre.

Venturi, Adolfo—Botticelli, tr. de C. D'Althaus.

Venturi, Adolfo—Michel-Ange, tr. de Jean Chuzeville.

Bibliography Libraries Etc.

De Morgan, Augustus—On the difficulty of correct description of books.

Hobson, G. D.—English binding before 1600.

London Society of antiquaries of London Catalogue of a collection of printed broadsides.

Walter, F. K.—Abbreviations & technical terms used in book catalogues.

Miscellaneous

Armstrong, G. H.—(The) origin & meaning of place names in Canada.

Chapelle, H. L.—(The) Baltimore Clipper.

Colum, Padraic—Orpheus: myths of the world.

Dybbson, J. F.—(The) Greek orators.

Good, M.—Hear with your eyes by reading wordforms on the face.

Henderson, Lieut. Col. G. L. P.—(A) complete course of practical flying.

Hornberger, D.—Newspaper organization.

Building In 1931

By Ernest Pitt

A glance over the property sale records and the building records for the past year not only makes a satisfactory showing of activity, but gives one every reason to look forward to the coming year with cheerful hope. The statistics, if they have any meaning at all, mean a good year of really and building activity in store, as pointed out by Mr. Ernest Pitt this week in his report.

Property sales for the year are up \$28,000,000 over the previous year, at \$105,000,000, (round figures). That is practically 40 per cent increase. Building permits dropped some nine million, to \$37,000,000, and in view of the general cry of hard times and the unhappy experiences of investors and speculators in other fields during the year, so slight a decrease must be considered gratifying.

Mr. Pitt states that according to Mr. J. E. Carmel, building inspector for the city, the record of building permits for the past six years has been: 1925, \$25,000,000; 1926, \$31,000,000; 1927, \$45,000,000; 1928, \$36,000,000; 1929, \$46,000,000 and 1930, \$37,000,000. In 1927, four years ago, permits amounted to \$45,000,000. The general expectation is that they should exceed this figure in 1931. Building activity is the backbone of all realty business. It furnishes employment for building workers; it furnishes a market for building materials, about 90 per cent of which should come from Montreal district; it gives an outlet for funds in mortgages, which is required by insurance and other lending companies and it furnishes additional tax-revenue for the city.

If last year the volume sales increased by almost 40 per cent, there is all the more reason to look for a busy year of building ahead, for building activity is always preceded by realty activity. Land or property must be bought before a building can be erected. In a general way when property is bought, the transaction ultimately presages the erection of a building. Forty per cent more property bought should therefore presage forty per cent more building activity. And as last year was behind in building activity, there is that much more leeway to be made up.

Mr. Pitt points out that building is not a line of activity that the community can take or leave at will. It can be delayed or postponed, but the shortage must always be made up sooner or later. Every year there are some 50,000 more people added to the population of Montreal. They have to be provided with homes. They buy and consume and require business houses to attend to their needs. It is a small city which is added to Montreal annually, including not only residents, but stores and business activities of all kinds. Therefore, the population increase demands not only more dwellings each year, but more and bigger stores, wholesale warehouses, office buildings, schools, churches and so on.

Another notable indication along these lines, is that many industrial corporations are starting now to build additions to their plants. The railway and transportation companies and the city are also planning a lot of constructional activity which is also bound to swell the total.

Mr. Pitt thinks this seems likely to give to the building and realty businesses a momentum which, like the swing of a huge balance wheel, once started will go on increasing.

Famed Danseuse To Appear Here

(Continued from Page One)

late seasons and is to be thanked for new ideas and inspiration provided a jaded public.

Especially to be thanked is Miss Enters for bringing to Montreal her very inspiring and original compositions. The press everywhere has met her with paeons of praise and appreciation, assuring us that this supreme mime cannot be missed.

CHILDREN'S PLAYNOTES

To-day at 5 p.m. in Room 39 for Act 1: Scene 1. The following will please report: MacFarlane, Hill, Lehman and Ignatieff, Mooney, McCoy and Nixon.

Red & White Revue Notes

CHORUS REHEARSAL

The next chorus tryout will be held on Tuesday, January 20th, at 5:15 P. M. in the Union Ballroom. On account of there having been no Daily published before the last rehearsal, the Executive eliminations have already commenced. No additions to the lists will be considered except under special circumstances, in which case application must be made to the Producer at the Revue Office before the above date.

NOTICES

PHYSICAL SOCIETY

The next meeting of this group will take place today in the Macdonald Physics Laboratory at 5:05 p.m. Mr. J. S. Allen will speak on "Recent developments as to the dipolar moment and its application to organic chemistry." All interested are invited to attend.

ORCHESTRA WANTED

Tenders are solicited for an orchestra to play at the Newman Club "At Home" in the Mount Royal Hotel on Wednesday February 4th. Communications must be addressed to the Newman Club Dance Committee care of the Union Truck Shop and in before February 17th.

NEWMAN CLUB

The regular monthly meeting of the Newman Club will be held on Sunday January 11th in Congress Hall 454 Dorchester St. West, following the Mass for Catholic Students attending the University, which will commence at 9:30 a.m. John T. Hackett, K.C. M.P. will be the guest speaker at the meetings.

EVANGELICAL CHRISTIAN UNION

Miss Yerbury, B.A., of the Heart of Africa Mission, will address the Evangelical Christian Union tomorrow at 4 in the Music Room of the McGill Union. Miss Yerbury is a graduate of Cambridge and has had wide experience in work among students both in England and Australia. All men and women students are invited.

LOST

Silver Eversharp pencil left in room

37 of the Engineering Building during the evening class on December 16. Finder please leave with Harry Grimsdale.

Between Arts Building and corner of Lorne Avenue and Prince Arthur St. a green Parker Duofold Pen. Finder please call Marquette 7315.

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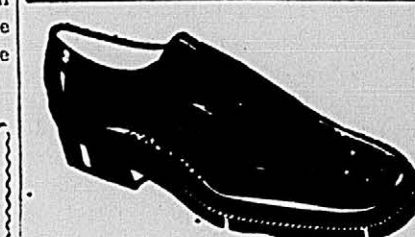
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